

Concrete Primer A

Technical Specification



Acrylic Primer & Adhesion Solution for Concrete Sealing & Repairs

Concrete Primer A is a milky white dispersion of acrylic polymer in a water base, designed to give maximum penetration into the substrate in order to enhance the adhesion of Adomast concrete repair mortars or other cementitious based repair material

Concrete Primer A has been designed for use with Adomast Concrete Repair Materials to benefit and enhance the bonding of repair mortars or other cement based materials to a variety of substrates. Concrete Primer A is also used for bonding and improving bond to cement based floor screeds

Advantages

- Water based, non toxic and safe to use.
- Single component, easy to apply.
- Ensures excellent adhesion to a wide range of substrates and reduces risk of bond failure.
- Ensures bond strengths typically in excess of 2.5N/mm².
- Reduces suction from porous concrete – prevents rapid drying of applied material.
- Helps prevent air bubbling in pumpable screeds, maximising compressive strength.

Application

SUBSTRATE PREPARATION

Substrates should be hard, sound and free from dirt, dust, oil, grease, paint, plaster, laitance and other contaminants which could provide a barrier to adhesion. Preparation of the substrates by mechanical means such as shot blasting or scabbling is recognised as the most effective way to provide a good key.

Where a substrate has been subject to chemical contamination advice as to any specific precautions should be sought from the Adomast technical department.

For repair to structural concrete.

A single coat of primer diluted in the ratio of one part primer to three parts water (by volume) should be scrubbed into the substrate at a coverage of 0.15 litres/m².

The repair material can be applied “wet on wet” for maximum bond.

For weak or low strength substrates (less than 20 N/mm² compressive strength), or substrates with a high suction such as brickwork or blockwork, two coats of primer will be required, the first coat being allowed to completely dry before application of the second coat.

Sub floor preparation, prior to screeding.

Concrete Primer A should be diluted as follows:-

Sealing Coat (allow to dry) 1 part primer to 5 parts water (by volume)

Bonding Coat (dry overnight) 1 part primer to 2 parts water (by volume)

Particularly absorbent or porous surfaces may require a subsequent bonding coat to prevent air rising from the substrate and affecting the final finish.

The primer should be applied with a soft broom ensuring that all puddles and any ponding is brushed out prior to screeding. The primer should not be applied to substrates with a temperature of less than +6°C.

Specific Gravity: 1.03 Kg/litre.

pH: 8.0 to 9.0

MFT: 3%

Solids Content: 40%

Drying Time: Overnight, under normal conditions.

Coverage

Coverage, (dependent upon porosity), approx. 0.3 litres per m². (>3m² per litre)

Storage

Adomast Concrete Primer A should be stored unopened in dry conditions at 6 to 25oC. Protect from frost. Re-seal opened containers after use.

Shelf Life

Shelf life is typically 12 months, unopened/airtight. Ideally use within one month of opening.

Specification

CONCRETE PRIMER A is supplied by Adomast Manufacturing Ltd and shall be applied strictly in accordance with the manufacturer's instructions.

For specific advice regarding any aspect of this product, please consult our Technical Department

Health and Safety

ADOMAST CONCRETE PRIMER A is non hazardous

During application avoid contact with eyes and skin. In the event of eye contact irrigate immediately with copious quantities of water and then seek medical advice. In the event of skin contact, wash with soap and water.

Wear protective eyewear and gloves when handling and using.

See Safety Data Sheet for further information.